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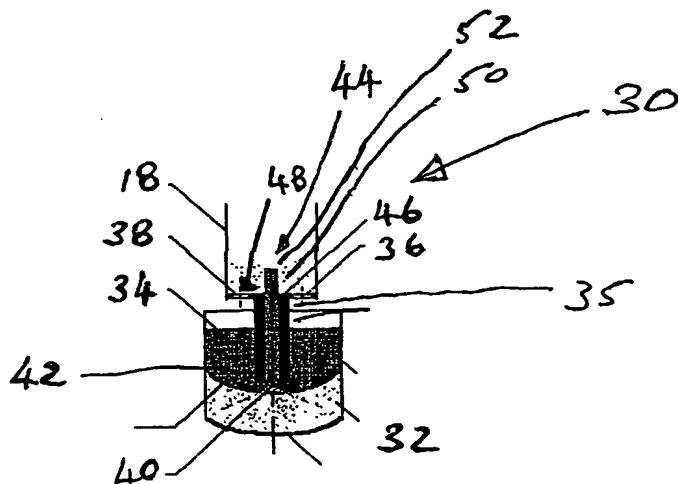
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(54) Title: NEBULIZING AND DRUG DELIVERY DEVICE



(57) Abstract: The invention relates generally to a nebulizer, for example, of ultrasonic nebulizer (30) having a bowl shaped container (12) and a tubular energy transmitter in the form of acoustic transmitter pipe (34). One end of the acoustic transmitter pipe (34) is immersed in the liquid (14) of the container (12). The bowl shaped ultrasonic transducer (16) is operatively coupled to the bowl shaped container (12) for transmission of ultrasonic energy to the liquid (14) and acoustic transmitter pipe (34). Absorption of transmitted energy by the liquid (14) forces the liquid (14) toward an upper end of the acoustic transmitter pipe (34) where it is nebulized in the form of an aerosol. The invention also relates generally to a device and method for delivering a substance in an aerosol form into a cellular organism, and a hand held device for delivering a substance to a cellular organism.

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